

Title (en)

FLIGHT SIMULATOR WITH A VISUAL SYSTEM INTEGRATED IN A ROBOTIC MANIPULATOR

Title (de)

FLUGSIMULATOR MIT EINEM IN EINEM ROBOTER INTEGRIERTEN VISUELLEN SYSTEM

Title (fr)

SIMULATEUR DE VOL AVEC UN SYSTÈME VISUEL INTÉGRÉ DANS UN MANIPULATEUR ROBOTIQUE

Publication

**EP 4078560 A4 20240110 (EN)**

Application

**EP 20903355 A 20201216**

Priority

- US 201962949919 P 20191218
- BR 2020050551 W 20201216

Abstract (en)

[origin: US2021192969A1] One example non-limiting example provides a full representative part 25 commercial aircraft flight deck with a visual system integrated with a robotic manipulator to provide an immersive simulation environment for training and research purposes. Such technology provides an architecture that provides visual blending-warp adjustment along with visual system integration, including for example Spherical screen design, Structural design and Projectors allocation.

IPC 8 full level

**G09B 9/32** (2006.01); **B25J 11/00** (2006.01); **G02B 27/01** (2006.01); **G03B 21/60** (2014.01); **G09B 9/12** (2006.01)

CPC (source: EP US)

**B25J 11/00** (2013.01 - EP); **B25J 13/065** (2013.01 - US); **G09B 9/12** (2013.01 - EP US); **G09B 9/326** (2013.01 - EP US); **B25J 11/00** (2013.01 - US)

Citation (search report)

[XI] ANDRÉ VINÍCIUS SANTOS SILVA ET AL: "Robot Based Flight Simulator Development Project", 1 January 2017, THE LEAN PRODUCT DESIGN AND DEVELOPMENT JOURNEY, SPRINGER INTERNATIONAL PUBLISHING, PAGE(S) 257 - 279, ISBN: 978-3-319-46791-7, XP009537605

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 11869387 B2 20240109**; **US 2021192969 A1 20210624**; BR 112022011939 A2 20220906; CA 3165231 A1 20210624; EP 4078560 A1 20221026; EP 4078560 A4 20240110; WO 2021119788 A1 20210624

DOCDB simple family (application)

**US 202017122836 A 20201215**; BR 112022011939 A 20201216; BR 2020050551 W 20201216; CA 3165231 A 20201216; EP 20903355 A 20201216